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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DESMOPRESSIN IN AN ORODISPERSIBLE DOSAGE FORM

(57) Abstract: Good bioavailability of desmopressin can be obtained by means of an orodispersible pharmaceutical dosage form which provides for a rapid dispersion of the active substance in the oral cavity. Thereby, desmopressin may be absorbed across the sublingual, buccal and/or gingival mucosa, and/or from the gastrointestinal tract for systemic distribution. Preferred dosage forms comprise desmopressin and an open matrix network which is an inert water-soluble or water-dispersible carrier material. Desmopressin formulated in this way is useful for voiding postponement, or the treatment or prevention of incontinence, primary nocturnal enuresis (PNE), nocturia or central diabetes insipidus. A process for the production of the dosage form by subliming solvent from a composition comprising desmopressin and a solution of carrier material is also provided.



Inter: Ial Application No PCI/IB 03/02368

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K38/11 A61K9/20 //A61K47/42 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61K Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, CHEM ABS Data, BIOSIS, MEDLINE, PAJ, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages US 4 764 378 A (KEITH ALEC D ET AL) 16 August 1988 (1988-08-16) 1-3, 11-17 Χ claim 31; examples 6-10 abstract 4-10 Υ 1-17 Χ EP 0 517 211 A (TEIKOKU SEIYAKU KK) 9 December 1992 (1992-12-09) page 3, line 30 - line 36 page 4, line 21 - line 26; claim 8; examples 7.8 abstract 4-10 Υ Patent family members are listed in annex. Further documents are listed in the continuation of box C. Х . Special categories of cited documents : "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance Invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 1 9. 03. 04 6 November 2003 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Ingrid Eklund

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		PCT/1B 03/02368
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 59423 A (WATSON PHARMACEUTICALS INC) 12 October 2000 (2000-10-12) example 6	1-6, 11-17
Υ	abstract	4-10
Y	WO 00 61117 A (GREEN RICHARD ;MURRAY OWEN (GB); HALL MICHAEL (GB); KEARNEY PATRIC) 19 October 2000 (2000-10-19) page 12, line 6 page 18, line 11 - line 14; claim 10; example 1 abstract	4-10
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А	WO 00 44351 A (SCHERER CORP R P) 3 August 2000 (2000-08-03) page 20, line 22 -page 21, line 8 abstract	1-17
Α	F. LACZI ET AL: "Effects of vasopressin analogues (DDAVP, DVDAVP) in fhe form of sublingual tablets in central diabetes insipidus" INTERNATIONAL JOURNAL OF CLINICAL PHARMACOLOGY: THERAPY AND TOXICOLOGY,	1-17
	vol. 18, no. 12, 1980, pages 63-68, XP002260419 the whole document	

ational application No. PCT/IB 03/02368

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 14-15 because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
A. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-17
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-17

Claims: 1-17 directed to an orodispersible pharmaceutical dosage form of desmopressin, and a process for preparing the dosage form.

2. Claims: 18-27 (partly)

Claims 18-27 (partly) directed to an orodispersible pharmaceutical dosage form of somatostatin or an analogue thereof and a process for preparing the dosage form.

3. Claims: 18-27 (partly)

Claims 18-27 (partly) directed to an orodispersible pharmaceutical dosage form of an enkephalin and a process for preparing the dosage form.

4. Claims: 18-27 (partly)

Claims 18-27 (partly) directed to an orodispersible pharmaceutical dosage form of an oxytocin analogue and a process for preparing the dosage form.

5. Claims: 18-27 (partly)

Claims 18-27 (partly) directed to an orodispersible pharmaceutical dosage form of an LH-RH analogue and a process for preparing the dosage form.

6. Claims: 18-27 (partly)

Claims 18-27 (partly) directed to an orodispersible pharmaceutical dosage form of GnRH analogues and a process for preparing the dosage form.

7. Claims: 18-27 (partly)

Claims 18-27 (partly) directed to an orodispersible pharmaceutical dosage form of a vasopressin analogue and a

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210							
process for preparing the dosage	form.						

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Claims Nos.: 14-15

Claims 14-15 relate to methods of treatment of the human or animal body by surgery or by therapy/diagnostic methods practised on the human or animal body/Rule 39.1.(iv). Nevertheless, a search has been executed for theses claims. The search has been based on the alleged effects of the compunds/compositions.

11 Application No PC1/1B 03/02368

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